

| Application No. | Applicant(s)    |
|-----------------|-----------------|
| 10/042,068      | WAUKE, TOMOKUNI |
| Examiner        | Art Unit        |
| Dang D Le       | 2834            |

|          |          | 4        | R        | eje      | cte           | d        |          |          | Ŀ        | L          | (T  | (Through numeral)<br>Cancelled |          |           |           |          |          |          |   | N            | on       | -Ele     | lected |               |          | A             | Appeal |    |              |         |        |          |          |   |
|----------|----------|----------|----------|----------|---------------|----------|----------|----------|----------|------------|-----|--------------------------------|----------|-----------|-----------|----------|----------|----------|---|--------------|----------|----------|--------|---------------|----------|---------------|--------|----|--------------|---------|--------|----------|----------|---|
|          |          | =        | A        | Allowed  |               |          |          |          |          |            |     | Restricted                     |          |           |           |          |          |          | ı | Interference |          |          |        |               |          | O Objected    |        |    |              |         |        |          |          |   |
| Cla      | aim      | Т        | -        |          |               | Date     | -        |          | -        | -          | 1   | Claim                          |          |           |           |          |          | ate      | • |              |          |          |        | Cla           | im       |               | Date   |    |              |         |        |          | -        |   |
| Final    | Original | 6/30/03  |          |          |               |          |          |          |          |            |     | Finat                          | Original |           |           |          |          |          |   |              |          |          |        | Final         | Original |               |        |    |              | l       |        |          |          |   |
| -        | 1        | v        |          | 4        | -             | -        | _        | _        | 1        | 1          | 1   | _                              | 51       | Н         | _         | -        | -        |          |   | Ц            | 4        | -        | -      | _             | 101      | 4             | +      | +  | +            | +       | ╀      | ⊢        | H        | i |
| -        | 2        | v        | Н        | -        | +             |          | -        | -        | ⊢        | H          | 1   | $\vdash$                       | 52       | Н         | -         |          | -        | -        | Н |              | +        | -        | 1      | -             | 102      | +             | +      | +  | +            | +       | +      | ╁        | Н        |   |
|          | 3        | N        |          | $\neg$   |               | $\neg$   |          | Г        | T        | t          | 1   |                                | 53       |           | $\neg$    |          |          |          |   | $\neg$       |          |          | t      |               | 103      |               | 1      |    |              |         | T      |          |          |   |
|          | 4        | N        |          |          |               |          |          |          |          |            | 1   |                                | 54       |           |           |          | $\Box$   |          |   |              |          |          |        |               | 104      | $\Box$        |        |    |              |         | I      |          |          |   |
|          | 5        | N        |          |          |               |          |          |          |          | L          | ]   |                                | 55       |           |           |          |          |          |   |              |          |          |        |               | 105      |               |        | 1  |              | 1       | I      |          |          |   |
|          | 6        | N        |          |          | _             | _        | Ц.       | L        | L        | ╙          | 1   | ــــ                           | 56       | Ш         |           | _        | _        | _        |   | Ц            | _        | _        | -      | -             | 106      | _             | _      | 4  | _            | 4       | 4      | _        | -        |   |
| -        | 7        | N        | Н        |          | -             | -        | _        | -        | -        | ╀          | ł   | ├—                             | 57       | Н         |           | -        | -1       | _        | - | -            | -        | -        | - 1    |               | 107      | $\rightarrow$ | +      | +  | +            | +       | +      | 1-       | Н        |   |
| -        | 9        | N        | Н        | -        | -             | $\dashv$ | -        | -        | -        | +          | 1   | $\vdash$                       | 58<br>59 | Н         | $\dashv$  | -        | -1       | -        | Н | $\dashv$     | -        | $\dashv$ | H      | $\rightarrow$ | 108      | +             | +      | +  | +            | +       | +-     | +        | H        | i |
| -        | 10       | V        | Н        | -        | -             | -        |          | -        | -        | -          | 1   | $\vdash$                       | 60       | Н         | -         | -        | -        | -        |   | -            | $\dashv$ | $\dashv$ | - }    | -1            | 110      | -             | +      | ╁  | +-           | +       | +-     | +        | Н        | i |
| -        | 11       | N        | Н        | $\dashv$ | -             | Н        | $\vdash$ | -        | 1        | +          | 1   | $\vdash$                       | 61       | Н         | -         | $\dashv$ | $\dashv$ | -        | Н | -            | -        | $\dashv$ | H      |               | 111      | +             | +      | +  | +            | +       | +      | +        | -        |   |
|          | 12       | N        | Н        | -        | -             | -        |          | -        | H        | 1          | 1   | <u> </u>                       | 62       | Н         | $\exists$ | -        | -1       | 7        | Н | $\vdash$     | $\dashv$ | $\neg$   | 1      | - 1           | 112      | $^{+}$        | +      | +  | +            | Ť       | +      | 1        | Н        | i |
| $\vdash$ | 13       | N        | Н        | -1       | $\neg$        | -        | _        | $\vdash$ |          | $\vdash$   | 1   | $\vdash$                       | 63       | Н         | $\neg$    | 1        | 7        |          | Н | $\neg$       | ٦        | ٦        | ı      |               | 113      | 1             | $^{+}$ | +  | $^{\dagger}$ | $^{+}$  | T      | t        | М        |   |
|          | 14       | N        | П        | 寸        |               |          |          |          | T        |            | 1   | _                              | 64       |           |           |          |          |          |   |              | $\neg$   | 7        | ı      |               | 114      | 7             | 1      | +  | 1            | $\top$  | 1      | $\vdash$ |          | l |
|          | 15       | N        |          |          |               |          |          |          |          | Γ          | 1   |                                | 65       |           |           | ٦        |          |          |   |              |          |          | Г      |               | 115      |               | 7      | T  | Т            | Т       | Т      | Т        |          | i |
|          | 16       | N        |          |          |               |          |          |          |          |            | 1   |                                | 66       |           |           |          |          |          |   |              |          |          |        |               | 116      |               | $\top$ | T  | Т            | I       | Г      |          |          | i |
|          | 17       | Z        |          | $\neg$   |               |          |          |          |          |            | ]   |                                | 67       |           |           |          | $\Box$   |          |   |              |          |          | - [    |               | 117      | $\neg$        | 1      | I  | Τ            | I       | T      |          |          | i |
| _        | 18       | 0        |          |          | $\Box$        |          |          | _        |          |            | 1   |                                | 68       |           |           |          |          |          |   |              |          |          |        |               | 118      |               | 1      | 1  |              | $\perp$ | L      | ┺        |          | : |
| -        | 19       | 0        | Ы        | -        | -             | -        |          | _        | ļ        | -          | 1   | ┞                              | 69       | $\perp$   | _         | -        | -        | _        |   | _            | _        | _        | 1      |               | 119      | -             | 4      | 4  | 4            | +       | 4      | _        | Ш        |   |
|          | 20       | N        | -        | 4        | -             | -        | _        | ļ.,      | -        | ┝          | -   | <u> </u>                       | 70       | Н         | _         |          | 4        | _        | _ | ч            | -        | $\dashv$ | H      |               | 120      | 4             | -      | +  |              | +-      | ╀      | $\vdash$ | <u>_</u> | : |
| -        | 21       | N        | Н        | -        | $\rightarrow$ | -        | -        | -        | -        | $\vdash$   | 1   | -                              | 71       | Н         | -         | -        | -        | -        | н | -            | -        | $\dashv$ | - }-   | -             | 121      | +             | +      | +  | +            | +       | +-     | ⊢        | Н        | l |
| $\vdash$ | 23       | N        | Н        | -        | -             | -        | -        | -        | ╌        | ╁          | ł   | -                              | 73       | -         | -         | $\dashv$ | -        | -        |   | -            | $\dashv$ | -        | H      | -             | 123      | $^+$          | +      | +  | +            | +       | +      | ╁        | -        |   |
| -        | 24       | N        | Н        | -        | -             | $\dashv$ | -        | ╌        | -        | -          | 1   | -                              | 74       | Н         | $\dashv$  | -        | -        | -        | Н | -            | -        | -        | H      | -1            | 124      | -             | +      | +  | +            | +       | +-     | +-       | Н        | i |
|          | 25       | N        | Н        | 7        | $\neg$        | -        |          | $\vdash$ | -        | $\vdash$   | 1   | $\vdash$                       | 75       | Н         | 7         | $\dashv$ | 7        |          |   | -            | $\neg$   | $\neg$   | ŀ      |               | 125      | +             | +      | +  | $^{+}$       | +       | +      | +        |          |   |
|          | 26       | N        | Н        | $\dashv$ | 1             | $\neg$   |          | 1        |          | t          | i i | _                              | 76       |           | _         | -        | 7        |          |   | 7            |          | ┪        | ı      |               | 126      | _             | +      | +  | +            | $^{+}$  | $^{+}$ | $^{+}$   | Н        | ı |
|          | 27       | N        |          |          |               |          |          |          |          |            | 1   |                                | 77       |           |           |          |          |          |   |              |          |          | ı      |               | 127      |               | 1      | 1  | 1            |         | 1      |          |          |   |
|          | 28       | N        |          |          |               | $\neg$   |          |          |          |            | 1   |                                | 78       |           |           |          |          |          |   |              | $\neg$   |          | Ī      |               | 128      |               |        | T  |              |         | T      | Γ        |          |   |
|          | 29       | N        |          |          | $\Box$        |          |          |          |          |            | ]   |                                | 79       |           |           | $\Box$   |          |          |   |              |          |          | [      |               | 129      |               |        | T  | Т            | I       | T      |          |          | i |
|          | 30       | N        |          | I        |               |          |          | L        |          |            |     |                                | 80       |           | _]        |          | I        |          |   |              |          |          | [      |               | 130      | I             | T      | I  | T            | Γ       | L      |          |          | ı |
| -        | 31       | 0        | L        | _        | _             | 4        |          | _        | _        | L          | 1   | L-                             | 81       | Ш         | _         | _        | _        | _        | Ш | _            | _        | _        | 1      |               | 131      | _             | _      | 4  | $\perp$      | 1       | 4      | 1        | Ш        |   |
| -        | 32       | 0        | -        | -        | 4             | -        | _        | 1        | Ι-       | <b>∤</b> _ | 1   | <u> </u>                       | 82       | Н         | _         | _        | -        | -        | Н | _            | _        | 4        | 1      |               | 132      |               | -      | +  | +-           | +       | +      | -        | H        | 1 |
| -        | 33       | 00       | -        | +        | -             | -        | _        | -        | -        | +          | 1   | ├-                             | 83       | Н         | -         | -        | -        | _        | - | -            | -        | 4        | 1      | -1            | 133      | +             | +      | +  | +-           | +-      | +-     | +-       | H        |   |
| $\vdash$ | 35       | 0        | $\vdash$ | -        | -{            | -        | -        | H        | -        | ⊢          | 1   | $\vdash$                       | 84<br>85 | $\vdash$  | -         |          | -        | $\dashv$ | Н | $\dashv$     | -        | $\dashv$ | 1      |               | 134      | +             | -+     | +  | +            | +       | +-     | +        | Н        | 1 |
| -        | 36       | v        | -        | $\dashv$ | -             | -1       | -        | -        | $\vdash$ | 1          | 1   | -                              | 86       | -         | $\dashv$  | $\dashv$ | -        | -        | Н | $\dashv$     | -        | $\dashv$ | 1      | -1            | 136      | $\dashv$      | +      | +  | +            | +       | +      | +        | Н        | i |
|          | 37       | ۲        | Н        | $\dashv$ | +             | -        | $\neg$   | -        | ⊢        | ┢          | 1   | $\vdash$                       | 87       | Н         | -         | -        | -        | -        | Н | -1           | $\dashv$ | -        | H      | -1            | 137      | +             | +      | +  | +            | +       | +      | +        | Н        | l |
|          | 38       | $\vdash$ | $\vdash$ | 寸        | $\dashv$      | -1       |          | _        | Г        | t          | 1   |                                | 88       | Н         | 7         | $\dashv$ | 7        |          | Н | 7            | $\neg$   | ┪        | ŀ      |               | 138      | _             | +      | +  | +            | +       | $^{+}$ | t        |          | į |
|          | 39       | Г        |          | 7        | $\dashv$      | _        |          | _        | Г        | Π          | 1   | $\overline{}$                  | 89       |           | 7         |          | 1        | $\neg$   |   | _            |          |          | - 1    | $\neg$        | 139      | _             | 1      | 1  | 1            | 1       | T      |          | П        | ı |
|          | 40       |          |          |          |               | _1       |          |          |          |            | 1   |                                | 90       |           |           |          |          |          |   |              |          |          | t      |               | 140      | $\neg$        |        | T  |              |         | T      |          |          |   |
|          | 41       |          |          | $\Box$   |               |          |          |          |          |            |     |                                | 91       |           |           |          |          |          |   |              |          |          |        |               | 141      |               | 1      | I  | T            | I       | I      |          |          | i |
|          | 42       | _        |          | $\Box$   | I             | $\Box$   |          |          |          |            | 1   |                                | 92       |           |           |          |          |          |   |              |          |          | [      |               | 142      |               | I      | L  | T            | L       | L      | L        |          |   |
|          | 43       |          |          | 1        | _             | _        |          |          | L        | 1          | 1   |                                | 93       |           | _1        | 4        | _        | _        |   | _            | _        |          | - [    | _1            | 143      | _             | -      | 1  | 1            | 1       | 1      | 1        | Ш        | ı |
| -        | 44       | ┞-       | Ш        | 4        | _             | _        | _        | <u></u>  | _        | ⊢          | 1   | <u> </u>                       | 94       | $\square$ | _         | _        | 4        | _        | Щ |              | _        | _        | -      | -             | 144      | $\rightarrow$ | +      | +  | +            | +       | +      | ⊢        | Н        | i |
| -        | 45       | -        | Н        | -1       | 4             | -1       | -        | ш        | 1-       | ├-         | 1   | <u> </u>                       | 95       | -         | 4         | -        | -        | _        | Н | -            | -        | -        | -      |               | 145      | -             | +      | +  | +            | +       | +      | -        | Н        | i |
| -        | 46       | -        | Н        | -        | +             | -1       | -        | -        | -        | -          | -   | -                              | 96<br>97 | -         | -         | -        | -        | _        | - | -            | -        | 4        | H      | -             | 146      | +             | +      | +  | +-           | +       | +      | +        | $\vdash$ | ı |
| $\vdash$ | 48       | -        | Н        | +        | +             | -        | $\dashv$ | -        | -        | -          | 1   | $\vdash$                       | 98       | -         | -         | -        | -        | -        | - | -            | -        | -        | 1      | -             | 148      | $\dashv$      | +      | +  | +            | +       | ╁      | +-       | H        |   |
| -        | 49       | $\vdash$ | -        | +        | $\dashv$      | -        | -        | Н        | 1        | t          | 1   | $\vdash$                       | 99       | -         | -         | -        | $\dashv$ | -        | - | -+           | -        | -        | H      | -1            | 149      | $\dashv$      | +      | +- | +            | +       | +      | +        | Н        |   |
|          | 50       | -        | $\vdash$ | +        | $\dashv$      | -        |          |          | -        | $\vdash$   | 1   | $\vdash$                       | 100      |           | -         | -+       | -        | _        |   | -1           |          | $\neg$   | t      | -             | 150      | +             | +      | +  | +            | +       | +      | +        | Н        | ı |
|          |          | _        |          | . 1,     | _             |          |          |          |          | _          | 4   |                                |          | _         |           | . 1      |          | _        |   |              |          |          |        |               |          | _             |        |    |              |         |        |          |          |   |